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DISSEMINATION CONTROL ABBREVIATIONS

NOFORN-	Not Releasable to Foreign Nationals
NOCONTRACT-	Not Releasable to Contractors or Contractor/Consultants
PROPIN-	Caution-Proprietary Information Involved
ORCON-	Dissemination and Extraction of Information Controlled by Originator
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NPIC/IEG (9/82)

17 SEPTEMBER 1982

NEW AERODYNAMIC TEST VEHICLE
NOVOSIBIRSK SCIENTIFIC INSTITUTE OF AVIATION SIBNIA, USSR

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1. (SWN) SIGNIFICANCE: AN AERODYNAMIC TEST VEHICLE (NPIC INTERIM DESIGNATOR SIB-A) AT NOVOSIBIRSK SCIENTIFIC INSTITUTE OF AVIATION SIBNIA IS SIMILAR IN DESIGN TO A VEHICLE USED BY THE UNITED STATES TO TEST ADVANCED FIGHTER AERODYNAMICS TECHNOLOGY AND DESIGN.

2. (SWN) REMARKS: THIS AERODYNAMIC TEST VEHICLE (SIB-A), WAS

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(SWN) THE VEHICLE HAS A 17-METER FUSELAGE AND LARGE TANDEM CONTROL/LIFTING SURFACES ARRANGED IN A CANARD CONFIGURATION. THE LARGE DELTA-SHAPED FOREPLANES, MID-TO-HIGH MOUNTED ON THE FORWARD HALF OF THE FUSELAGE, AND THE LARGE DELTA/SWEPT WINGS, LOW-MOUNTED ON THE AFT FUSELAGE. THE VEHICLE HAS A VERTICAL STABILIZER MOUNTED MID-SPAN ON THE AFT PORTION OF EACH MAIN WING.

(SWN) *THE FOLLOWING IS A TABLE OF MENSURAL DATA ON THE SIB-A.

FUSELAGE LENGTH	17.0
FUSELAGE DIAMETER	UNDETERMINED

FOREPLANE SPAN	[REDACTED]
FOREPLANE ROOT CHORD	
FOREPLANE TIP HEIGHT	

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MAIN WING SPAN (PARTIALLY OBSCURED)	APPROX. 8.0
MAIN WING ROOT CHORD	[REDACTED]
MAIN WING HEIGHT (LEADING EDGE)	

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VERTICAL STABILIZER LENGTH (AT BASE)	[REDACTED]
SPACING BETWEEN STABILIZERS	

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(SWN) THE DESIGN OF THE SIB-A IS SIMILAR TO THAT OF THE ROCKWELL INTERNATIONAL/NASA/USAF HIGHLY MANEUVERABLE AIRCRAFT TECHNOLOGY (HIMAT) RESEARCH VEHICLE. THE HIMAT IS A REMOTELY PILOTED RESEARCH VEHICLE DESIGNED TO TEST ADVANCED FIGHTER TECHNOLOGY; HOWEVER, IT IS NOT A FULL-SCALE MODEL AND IS ONLY

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(SWN) SIBNIA IS A PRIMARY SOVIET INSTITUTE FOR AVIATION RESEARCH AND PROBABLY PERFORMS SOME OF THE SAME FUNCTIONS AS THOSE OF THE RAMENSKOYE CENTRAL AEROHYDRODYNAMIC INSTITUTE OF THE SOVIET AIRCRAFT INDUSTRY (TSAGI). SIBNIA, HOWEVER, HAS BEEN MORE CONCERNED WITH APPLIED RESEARCH AND HAS SUPPORTED DESIGN REFINEMENT ON EXISTING AIRFRAMES. EXTENSIVE STRESS AND FATIGUE TESTING OF AIRFRAMES IS DONE HERE. WHILE VARIOUS FIGHTER, BOMBER, TRANSPORT AIRCRAFT, AND COMPONENTS HAVE BEEN SEEN AT THE INSTITUTE, THIS IS THE FIRST OBSERVATION OF A PROTOTYPE TEST VEHICLE.

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3. (S)

COORDINATES 55-04-08N 082-59-46E

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